

## PROVISIONAL NORTH SCHOOL FRCA TUTORIAL PROGRAMME 2019-2020

Please note that the **Special Wednesdays** (written in bold) are held at the hosting Trust. Registration is essential to attend and study leave applied for and secured. To register for these days, please email [janet.coulson@mft.nhs.uk](mailto:janet.coulson@mft.nhs.uk)

All other tutorials are held in:  
**Preston: Seminar room within Anaesthetic Department**  
**Blackburn: Anaesthetic Department**

### **Term 2**

Date	Topic	Lead/Tutor	Hospital (tutors place of work)	Venue
12/02/20	Transplant	Slack	Blackburn	Blackburn
<b>19/02/20</b>	<b>Paeds 1</b>	<b>R Morley</b>	<b>RMCH - MFT</b>	
26/02/20	Bariatric	O'Connor	SRFT	SRFT
04/03/20	Risk Scoring/ CPEX	Heaps	Blackburn	Blackburn
11/03/20	ERAS	Darwin	SRFT	SRFT
18/03/20	Obs Medical Disease	Bewlay	Preston	Preston
<b>25/03/20</b>	<b>Paeds 2</b>	<b>R Morley</b>	<b>RMCH- MFT</b>	
01/04/20	Obs CMACE		Bolton	Preston
<b>08/04/20</b>	<b>Cardiac (Full day)</b>	<b>L Feddy</b>	<b>Wythenshawe MFT</b>	
<b>15/04/20</b>	<b>Neuro (Full day)</b>	<b>J Sebastian</b>	<b>SRFT</b>	
22/04/20	Acute Pain		Wigan	Preston
29/04/19	Middle ear surgery		Bolton	Preston
<b>06/05/20</b>	<b>Paeds 3</b>	<b>R Morley</b>	<b>RMCH- MFT</b>	
13/05/20	Statistics	Mahindra	SRFT	<b>SRFT *PM session*</b>
<b>20/05/20</b>	<b>Neuro disease ( half day)</b>	<b>M Jones</b>	<b>Preston</b>	
27/05/20	Burns/ Plastics	Crosby	Preston	Preston
03/06/20	ICU Renal	Randall	Blackpool	Preston
10/06/20	ICU Sepsis	Baxter	Lancaster	Preston
<b>17/06/20</b>	<b>Paeds 4</b>	<b>R Morley</b>	<b>RMCH-MFT</b>	
<b>24/06/20</b>	<b>Thoracic (Half day)</b>	<b>L Feddy</b>	<b>Wythenshawe MFT</b>	
01/07/20	ICU Resp		Bolton	Preston
08/07/20	Pancreas/Spleen/Liver		Blackburn	Blackburn

### **Term 2**

#### **Gen/Gyn/Urol**

#### **Anaesthesia for**

#### **Pancreatic/Liver Resection/Splenectomy**

GU\_IK\_01 Recalls/describes the principles off the peri-operative management of the commoner complex cases including, but not exclusively:

Pancreatic and liver resection

AN\_IK\_01 Relevant anatomy for understanding of surgical procedures

PB_IK_16	Hepatic failure
PB_IK_17	Jaundice
GU_IK_01	Recalls/describes the principles off the peri-operative management of the commoner complex cases including, but not exclusively: Splenectomy
AN_IK_01	Relevant anatomy for understanding of surgical procedures

### **Transplant Surgery – management of patients having/with transplants/Brain Stem Death/Organ Donation**

GU_IK_04	Recalls/ describes the ethical considerations of cadaveric and live-related organ donation for the donor [and relatives], recipient and society as a whole
GU_IK_05	Describes the issues of anaesthesia for renal transplant surgery
GU_IK_06	Explains the anaesthetic management of patients with transplanted organs for non-transplant surgery
PR_IK_16	Therapeutics in pathologic states: problems associated with organ transplantation; anaesthetic relevance of drugs used in malignancy; therapy in acute and chronic respiratory distress
MT_IK_09	Describes the specific ethical and ethnic issues associated with managing the multiply injured patient, including issues that relate to brain stem death and organ donation

### **Bariatric Surgery – including obstructive sleep apnoea**

GU_IK_08	Recalls/describes the anaesthetic implications of bariatric surgery
AM_IK_08	Describes the causes, pathophysiology and management of obstructive sleep apnoea and the surgical procedures used to treat it
EN_IK_04	Recalls/describes the causes, pathophysiology and management of obstructive sleep apnoea and the surgical procedures used to treat it
PB_IK_37	Starvation/obesity
PC_IK_18	Sleep studies - principles

### **Risk Scoring of patients/CPET**

GU_IK_11	Recalls / describes the principles of preoperative evaluation of patients at risk of post-operative morbidity, including risk stratification tools, for example scoring systems and measures of functional capacity [including cardiopulmonary exercise testing]
PC_IK_02	Assessment of cardiac function, including exercise testing: METS, starir climbing, shuttle tests
PC_IK_25	Anaesthetic and surgical outcome scoring systems; including Goldman, Detsky, APACHE, POSSUM, etc.

### **Enhanced Recovery/Haemodynamic monitoring**

GU_IK_09	Recalls/describes the principles of enhanced recovery programmes
GU_IK_10	Recalls / describes the rationale and principles of perioperative haemodynamic management and optimisation
PC_IK_11	Cardiac output measurement: interpretation and limitation of derived indices: PICO, LiDCO, bioimpedance, contour analysis

### **Obstetrics**

#### **Common concurrent diseases/Basic Sciences/Premature Delivery/Multiple Pregnancy/PDPH**

OB_IK_01	Recalls/describes the influence of common concurrent medical diseases on pregnancy
AN_IK_09	Maternal and fetal anatomy relevant to the practice of obstetric anaesthesia
PB_IK_41	Physiology of normal and abnormal pregnancy, including physiology of labour and childbirth
OB_IK_02	Discusses the obstetric and anaesthetic management of a premature delivery
OB_IK_03	Discusses the obstetric and anaesthetic management of multiple pregnancy
OB_IK_07	Demonstrates understanding of the methods of treating post dural puncture headache

### **CMACE/Placenta Praevia/Amniotic Fluid Embolus**

- OB\_IK\_04 Explains the classification of placenta praevia and the associated risk to the patient  
OB\_IK\_05 Recalls/describes the recognition and management of amniotic fluid embolus  
OB\_IK\_08 Discusses common causes of maternal morbidity and mortality, including national reports

### **Pain**

#### **Assessment and management of – Acute Pain/Acute Non-surgical Pain**

- PM\_IK\_01 Describes the assessment and management of acute pain in all types of surgery  
PM\_IK\_02 Describes the assessment and management of acute non surgical pain  
AN\_IK\_02 Anatomy relevant to acute and chronic pain management, including the whole range of neural blockade techniques outlined in the pain management section of the intermediate syllabus  
PR\_IK\_01 Analgesia: principles of analgesia including infusions, patient controlled analgesia; medications for chronic pain including antidepressants, anticonvulsants, antiarrhythmics; routes of administration including oral; sublingual; subcutaneous, IM; IV; inhalational analgesia, patient controlled analgesia, epidural; agents used for regional techniques and local blocks  
PB\_IK\_27 Mechanisms of pain; somatic, visceral, neuropathic

### **Ophthalmic**

#### **Anaesthesia for – Cataract/Strabismus/Glaucoma/Vitreoretinal**

- OP\_IK\_01 Discusses the preoperative assessment of ophthalmic patients with particular reference to associated co-morbidities and how the care of high risk patients requiring ophthalmic surgery may be optimised  
OP\_IK\_02 Recognises that a relatively large proportion of patients requiring ophthalmic surgery are elderly and understands their particular needs including, but not exclusively, the effects of physiological changes associated with ageing and altered pharmacological responses  
OP\_IK\_03 Recalls/discusses the choice of local or general anaesthetic techniques in relation to the patient and surgery including their advantages, disadvantages and indications with particular reference to some or all of the following:  
Cataract surgery  
Strabismus surgery  
Glaucoma surgery  
Vitreoretinal surgery  
Oculoplastic surgery  
OP\_IK\_04 Recalls/describes the oculocardiac reflex, its treatment and prevention  
OP\_IK\_05 Recalls/describes the action of anaesthetic drugs on the eye  
OP\_IK\_06 Recalls the physiological mechanisms which control intraocular pressure  
OP\_IK\_07 Recalls/discusses the drugs which may alter intraocular pressure  
AN\_IK\_04 Anatomy relevant to the regional anaesthetic techniques [central and peripheral blocks, including ophthalmic] as outlined in the regional anaesthesia section of the intermediate syllabus; includes anatomy as visualised using ultrasound imaging during regional anaesthesia

### **Plastics/Burns**

#### **Free Flap Surgery/Pathophysiology of Burns/Airway Injury/Inhalational Injury Initial Management/Management of patients with burns undergoing procedures**

- PL\_IK\_01 Can explain the specific features of preoperative assessment of patients for major plastic surgery procedures  
PL\_IK\_02 Explains and critically evaluates anaesthetic techniques appropriate for plastic surgical procedures including major reconstructive cases procedures  
PL\_IK\_03 Explains the factors affecting tissue blood flow with respect to free-flap surgery  
PL\_IK\_04 Describes methods for improving blood flow to the surgical field during plastic surgery

- PL\_IK\_05 Describes the pathophysiology of burn injury including thermal airway injury and smoke inhalation
- PL\_IK\_06 Describes the initial assessment and management of a patient with severe burns, including electrical & chemical burns
- PL\_IK\_07 Explains the principles of anaesthetic management of burns patients for surgery including dressing changes, grafting and related procedures

### **Statistics**

- SM\_IK\_01 Explains the simple aspects of study design defining the outcome measures and the uncertainty of measuring them
- SM\_IK\_02 Explains the difference between statistical and clinical significance
- SM\_IK\_03 Recalls the limits of clinical trials
- SM\_IK\_04 Recalls the basics of systemic review and its pitfalls
- SM\_IK\_05 Recalls how to define a clinical research question
- SM\_IK\_06 Explains the effects of bias
- SM\_IK\_07 Recalls the use of controls, placebos, randomisation and binding exclusion criteria
- SM\_IK\_08 Explains statistical issues including sample size and ethical issues

### **Intensive Care Medicine**

#### **Renal**

Intermediate

- 4.7 Initiates, manages and weans patients from renal replacement therapy
- PB\_IK\_12 Assessment of renal function
- PB\_IK\_13 Renal failure and its management
- PC\_IK\_21 Principles of haemofiltration and renal support

#### **Sepsis**

Basic

- 3.9 Recognises and manages the septic patient
- 4.2 Manages antimicrobial drug therapy
- PR\_IK\_08 Antibiotics: principles of action, choice of drug. Antibiotic prophylaxis against surgical infection including subacute bacterial endocarditis. Therapy of bacterial, fungal and viral infections.

### **Respiratory – ARDS, etc**

Basic

- 3.8 Recognises and manages the patient with acute lung injury syndromes
- PB\_IK\_19 Disorders of respiratory mechanics, gas exchange and gas transport
- PB\_IK\_21 Respiratory failure and ventilator support; consequences of positive pressure ventilation